

C L A I M S

1. A connecting system comprising:
an electronic apparatus;
a connecting mounting electrically connected to
5 the electronic apparatus;
a holding unit mounted on the connecting mounting,
which is capable of holding the electronic apparatus
with a part of the electronic apparatus facing a
direction and also holding the electronic apparatus
10 with the part of the electronic apparatus facing
another direction;
a judging unit included in the electronic
apparatus, which judges a direction relative to the
holding unit which the part of the electronic apparatus
15 held by the holding unit faces; and
a mode setting unit included in the electronic
apparatus, which sets the electronic apparatus in an
operation mode corresponding to the direction of the
part judged by the judging unit.
- 20 2. The connecting system according to claim 1,
wherein the electronic apparatus comprises an image
pickup apparatus having a lens, an image pickup
element, a storage, an image storing memory, and an
input-output interface.
- 25 3. The connecting system according to claim 2,
wherein the electronic apparatus comprises an image
pickup apparatus and the operation mode to be set in

the electronic apparatus includes plural operation modes including an image-data transferring mode.

4. The connecting system according to claim 2, wherein the electronic apparatus comprises an image pickup apparatus and the operation mode to be set in the electronic apparatus includes plural operation modes including a photographing mode.

5. An electronic apparatus which is mounted on a connecting mounting and electrically connected to the connecting mounting, comprising:

connecting terminals corresponding to connecting terminals of the connecting mounting and connected to the connecting terminals of the connecting mounting, when the electronic apparatus is mounted on the connecting mounting in various states with an apparatus body facing various directions;

a confirming unit which confirms a direction which the apparatus body faces when the electronic apparatus is mounted on the connecting mounting; and

a setting unit which sets the electronic apparatus in an operation mode corresponding to the direction of the apparatus body confirmed by the confirming unit.

6. The electronic apparatus according to claim 5, wherein the electronic apparatus comprises an image pickup apparatus and the operation mode to be set in the electronic apparatus includes plural operation modes including an image-data transferring mode.

7. The electronic apparatus according to claim 5,
wherein the electronic apparatus comprises an image
pickup apparatus and the operation mode to be set in
the electronic apparatus includes plural operation
5 modes including a photographing mode.

8. An electronic apparatus which is mounted on a
connecting mounting and electrically connected to the
connecting mounting, comprising:

a confirming unit which confirms a direction which
10 a movable holding member faces, the movable holding
member being movably mounted on the connecting mounting
to face various directions and held by the electronic
apparatus; and

a mode setting unit which sets the electronic
15 apparatus in an operation mode corresponding to the
direction of the movable holding member confirmed by
the confirming unit.

9. An electronic apparatus which is mounted on a
connecting mounting and electrically connected to the
20 connecting mounting, comprising:

an apparatus body;

a movable unit movably mounted on the apparatus
body;

a confirming unit which confirms a direction which
25 the movable unit faces with the apparatus body mounted
on the connecting mounting; and

a mode setting unit which sets the electronic

apparatus in an operation mode corresponding to the direction of the movable unit confirmed by the confirming unit.

10. A connecting mounting for holding an
5 electronic apparatus and being electrically connected to the electronic apparatus, comprising:

a mounting body which is capable of holding the electronic apparatus with a part of the electronic apparatus facing a direction and also holding the
10 electronic apparatus with the part facing other direction;

a pair of first connector and a second connector provided in the mounting body, each of the connectors being alternatively movable to a connecting position and to a non-connecting position when the electronic
15 apparatus is mounted on the mounting body, the connectors being connected to an apparatus connector provided in the electronic apparatus at the connecting position when the electronic apparatus is mounted on
20 the mounting body, the first connector being brought to the connecting position and alternatively the second connector being brought to the non-contacting position when the electronic apparatus is mounted on the mounting body with the part of the electronic apparatus
25 facing a direction, the first connector being brought to the non-connecting position and alternatively the second connector being brought to the contacting

position when the electronic apparatus is mounted on the mounting body with the part of the electronic apparatus facing the opposite direction, and

5 a confirming unit which confirms which of the first and second connectors the apparatus connector of the electronic apparatus is connected to.

11. The connecting mounting according to claim 10, further comprising:

10 a movable mechanism arranged to be operated by force produced when the electronic apparatus is installed onto the mounting body, bringing one of the pair of the first and second connectors to the non-connecting position, to bring the other of the pair of the first and second connectors to the connecting
15 position.

12. An operation mode setting method for an electronic apparatus mounted on a connecting mounting and being electrically connected to the connecting mounting, comprising:

20 confirming a direction which a part of the electronic apparatus mounted on the connecting mounting faces; and

25 setting the electronic apparatus in an operation mode corresponding to the confirmed direction of the part of the electronic apparatus.

13. A computer program for controlling a computer which is installed in an electronic apparatus that is

mounted on a connecting mounting and being electrically connected to the connecting mounting, comprising:

making the computer function as a judging unit to judge a direction relative to the connecting mounting which a part of the electronic apparatus mounted on the connecting mounting faces; and

making the computer function as a setting unit to set the electronic apparatus in an operation mode corresponding to the direction of the part judged by the judging unit.

14. A connecting system having a connecting mounting, an electronic apparatus mounted on the connecting mounting and being electrically connected to the connecting mounting and a data processing apparatus for exchanging data with the electronic apparatus through the connecting mounting, comprising:

a holding unit mounted on the connecting mounting, capable of holding the electronic apparatus in various states with a part of the electronic apparatus facing various directions;

a judging unit included in the data processing apparatus, which judges a direction relative to the holding unit which the part of the electronic apparatus mounted on the holding unit faces; and

a mode setting unit included in the data processing apparatus, which sets the electronic apparatus in an operation mode corresponding to the

direction of the part judged by the judging unit, in which mode data are exchanged between the electronic apparatus and the data processing apparatus.

15. A data processing apparatus for exchanging
5 data with an electronic apparatus through a connecting mounting, the electronic apparatus being electrically connected to the connecting mounting, comprising:

a judging unit which judges a direction relative to the connecting mounting which a part of the electronic
10 apparatus mounted on connecting mounting faces; and

a mode setting unit which sets the data processing apparatus in an operation mode corresponding to the direction of the part judged by the judging unit, in which mode data are exchanged between the data
15 processing apparatus and the electronic apparatus.

16. The data processing apparatus according to claim 15, wherein the electronic apparatus comprises an image pickup apparatus, and the operation mode to be set to the data processing apparatus includes plural
20 operation modes including an image-data transferring mode, in which image data stored in a memory of the image pickup apparatus are transferred to the data processing apparatus.

17. The data processing apparatus according to claim 15, wherein the electronic apparatus comprises an
25 image pickup apparatus and the operation mode to be set to the data processing apparatus includes plural

operation modes including a photographing mode, in which mode image data is generated with an image pickup element of the image pickup apparatus and is transferred to the data processing apparatus.

5 18. The data processing apparatus according to claim 15, further comprising:

 an operation requesting unit which requests the electronic apparatus to perform an operation corresponding to a data transferring mode, which is set in
10 the data processing apparatus based on the direction of the part of the electronic apparatus judged by the judging unit.

 19. In a data processing apparatus for exchanging data with an electronic apparatus through a connecting
15 mounting, the electronic apparatus being detachably mounted on the connecting mounting and electrically connected to the connecting mounting when mounted on the connecting mounting, an operation mode setting method comprising:

20 judging a direction relative to the connecting mounting a part of the electronic apparatus mounted on the connecting mounting faces; and

 setting the data processing unit in an operation mode corresponding to the direction of the part judged
25 by the judging unit, in which mode data are exchanged between the data processing apparatus and the electronic apparatus.